

Fig. 1

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POSITION / ADDRESS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ROW (1)	1	1	1	0	1	1	1	0	0	0	1	0	1	1	0	0	1	0	0	1
ROW (2)	1	1	1	0	1	0	0	1	1	0	0	0	1	1	0	0	1	0	0	1
ROW (3)	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0

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KEYS:

ROW (1): ORIGINAL CONFIGURATION-DATA SEQUENCE

ROW (2): ENCRYPTED CONFIGURATION-DATA SEQUENCE

ROW (3): SECRET SEQUENCE STORED IN NONVOLATILE STORAGE MEANS 22 POSITIONS 7 AND 14-16: BITS TO BE ENCRYPTED

Fig. 2

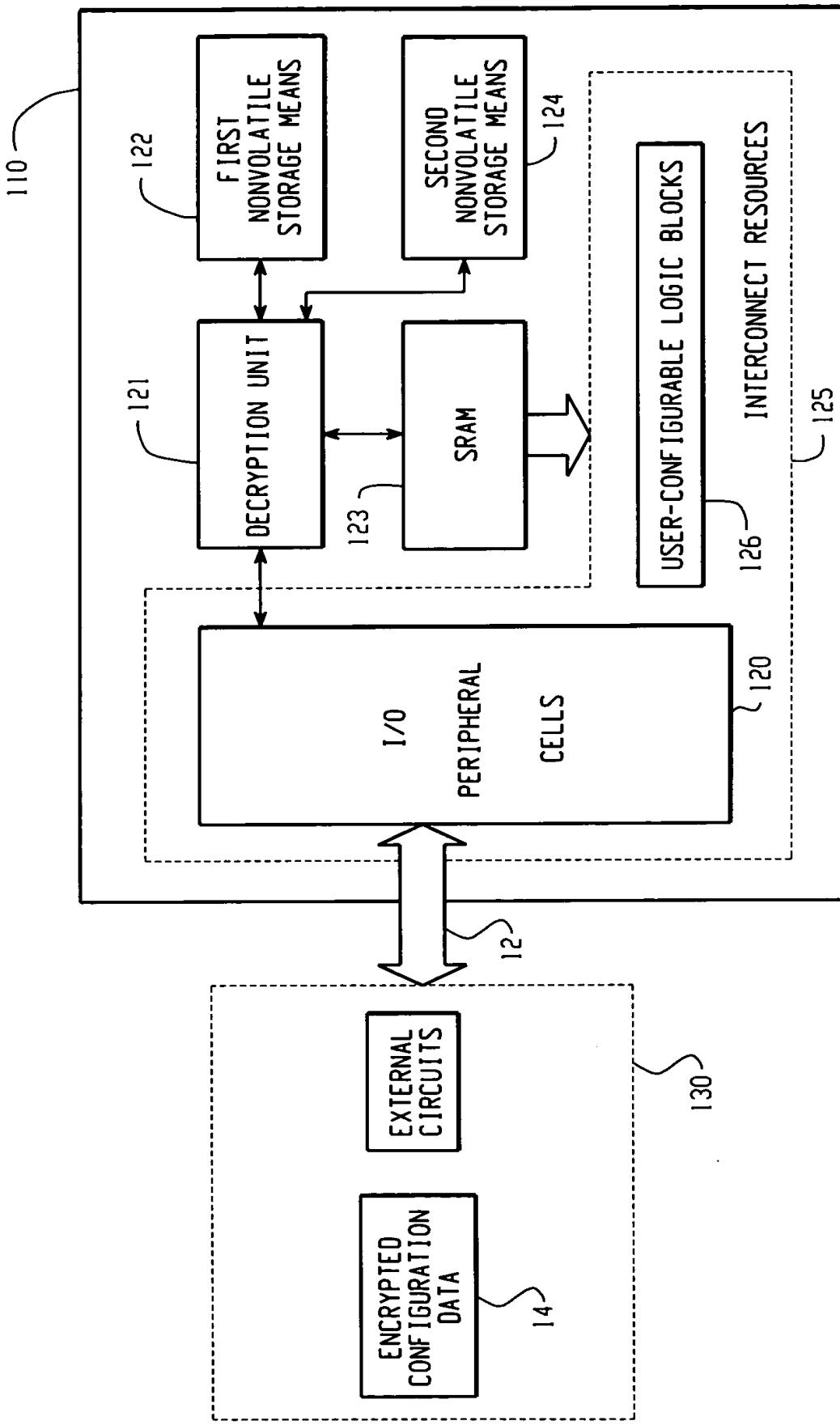


Fig. 3

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POSITION / ADDRESS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Row (1)	1	1	1	0	1	0	1	1	0	0	0	0	0	1	0	1	1	0	0	1
Row (2)	1	1	1	0	1	0	0	1	1	0	0	0	0	1	m_{14}	m_{15}	m_{16}	1	0	0
Row (3)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0
Row (4)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	0	1	1	x	x	x
Row (5)																				

KEYS:
 ROW (1): ORIGINAL CONFIGURATION-DATA SEQUENCE
 ROW (2): ENCRYPTED CONFIGURATION-DATA SEQUENCE: $m_{14} m_{15} m_{16} \in \{000, 001, 010, 100, 101, 110, 111\}$
 ROW (3): ADDRESS INFORMATION STORED IN THE FIRST NONVOLATILE STORAGE MEANS 122
 ROW (4): OVERWRITE-DATA INFORMATION STORED IN THE SECOND NONVOLATILE STORAGE MEANS 124: X=DON'T CARE.
 POSITIONS 7 AND 14-16: BITS TO BE ENCRYPTED

Fig. 4

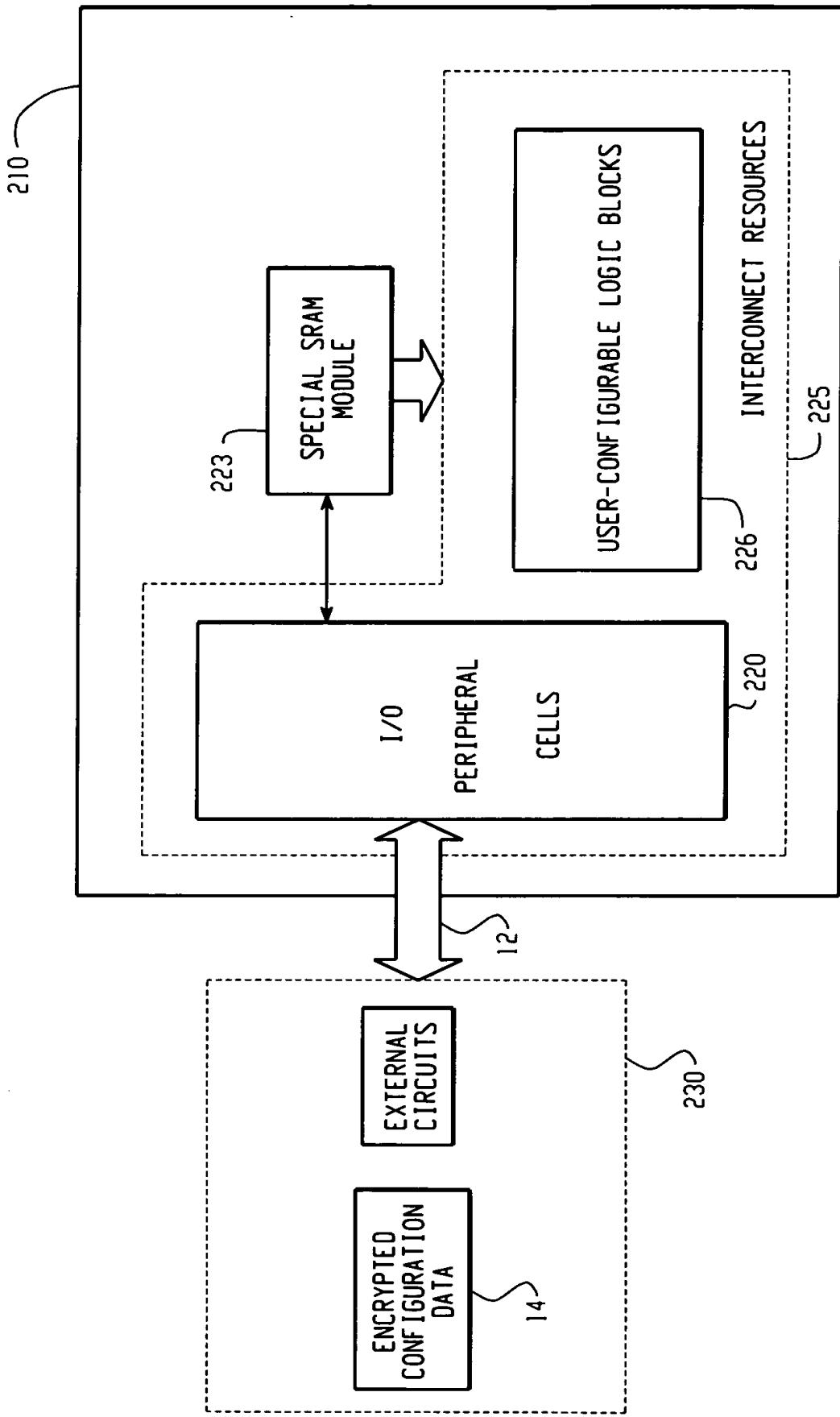


Fig. 5

Fig. 6

6/7

POSITION/ ADDRESS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ROW (1)	1	1	1	0	1	0	1	1	1	0	0	0	1	0	1	1	1	0	0	1
ROW (1)	1	1	1	0	1	0	0	1	1	0	0	0	1	m_{14}	m_{15}	m_{16}	1	0	0	1
ROW (1)	1	1	1	0	1	0	0	1	1	0	0	0	1	m_{14}	m_{15}	m_{16}	1	0	0	1
ROW (1)	R/W	R/W	R/W	R/W	R/W	@1	R/W	R/W	R/W	R/W	R/W	R/W	@0	@1	@1	R/W	R/W	R/W	R/W	

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KEYS:

ROW (1): ORIGINAL CONFIGURATION-DATA SEQUENCE

ROW (2): ENCRYPTED CONFIGURATION-DATA SEQUENCE: $m_{14} m_{15} m_{16} \in \{000, 001, 010, 100, 101, 110, 111\}$

ROW (4): READ/WRITE STATUS OF THE SPECIAL SRAM MODULE 223; R/W=READ-AND-WRITE POSSIBLE; @=STICKING AT POSITIONS 7 AND 14-16: BITS TO BE ENCRYPTED

7	~60
14	~60
15	~60
16	~60
EOL	~62
:	
:	
:	
:	

Fig. 7

(7, 1)	~60
(14, 0)	~60
(15, 1)	~60
(16, 1)	~60
EOL	~62
:	
:	
:	
:	

Fig. 8

(7, MODIFICATION, x)	~60
(14, OVERWRITE, 0)	~60
(15, MODIFICATION, x)	~60
(16, OVERWRITE, 1)	~60
EOL	~62
:	
:	
:	
:	

Fig. 9